

Figure 1a
Single Stage Fluid Bed
Reactor
for any Silicon Containing
Gas (Silane or
Trichlorosilane
and 3 SCG Inlet Coolers
(two of three shown))

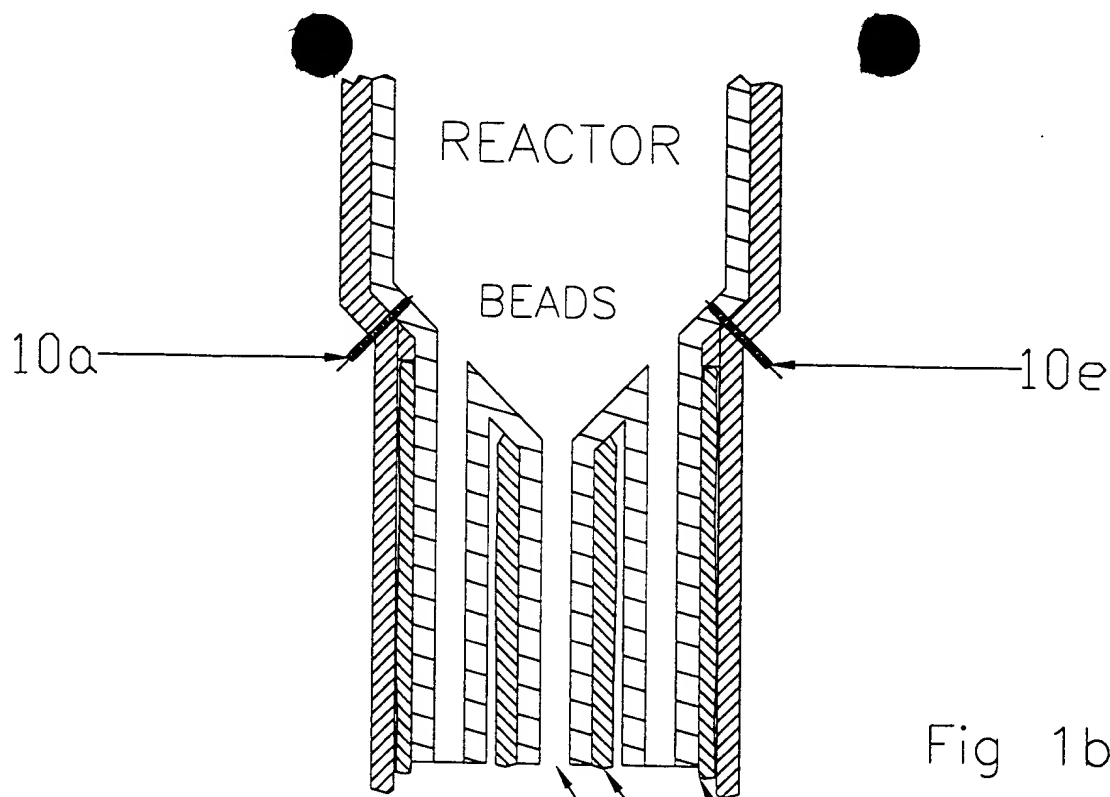
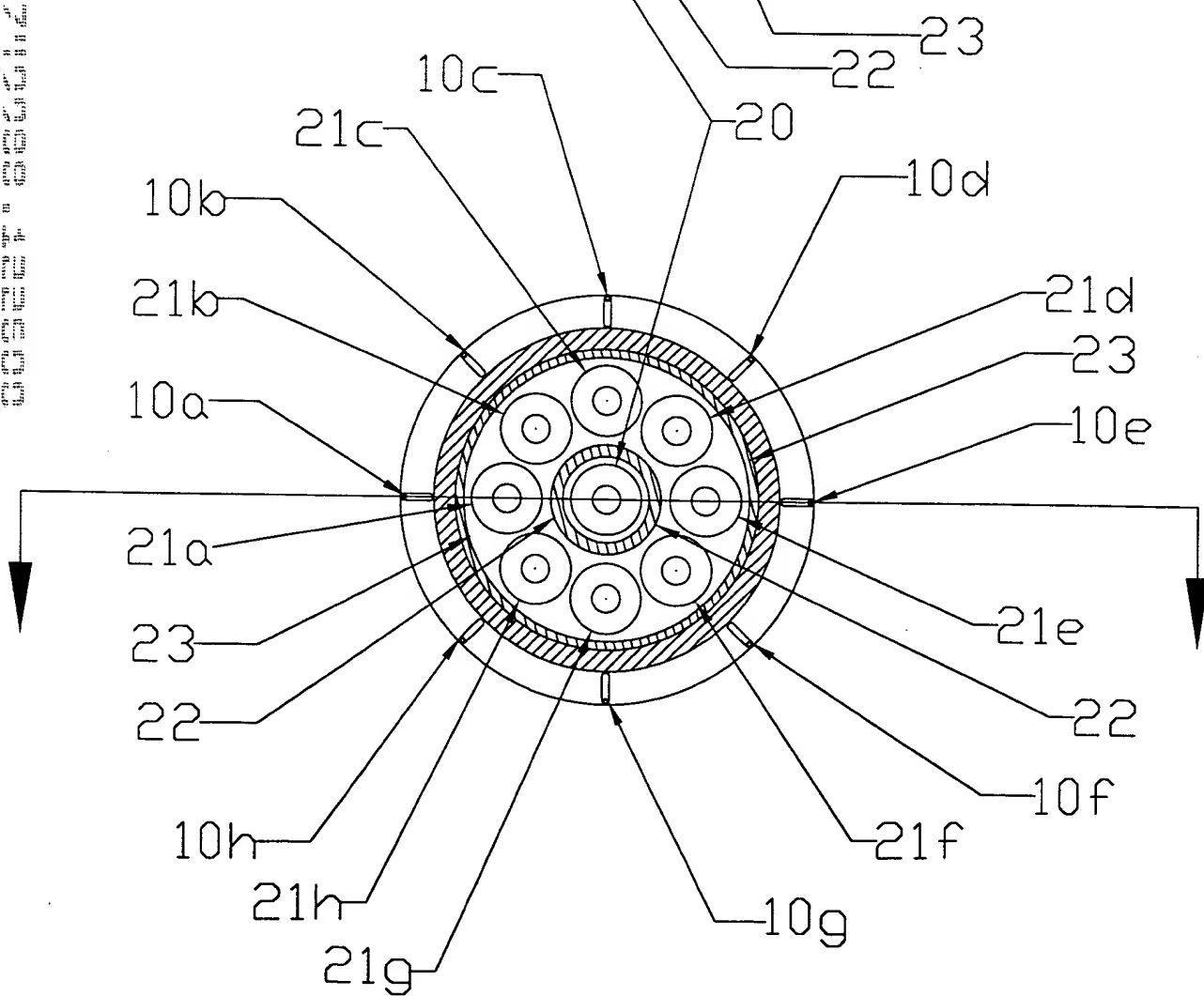


Fig 1b



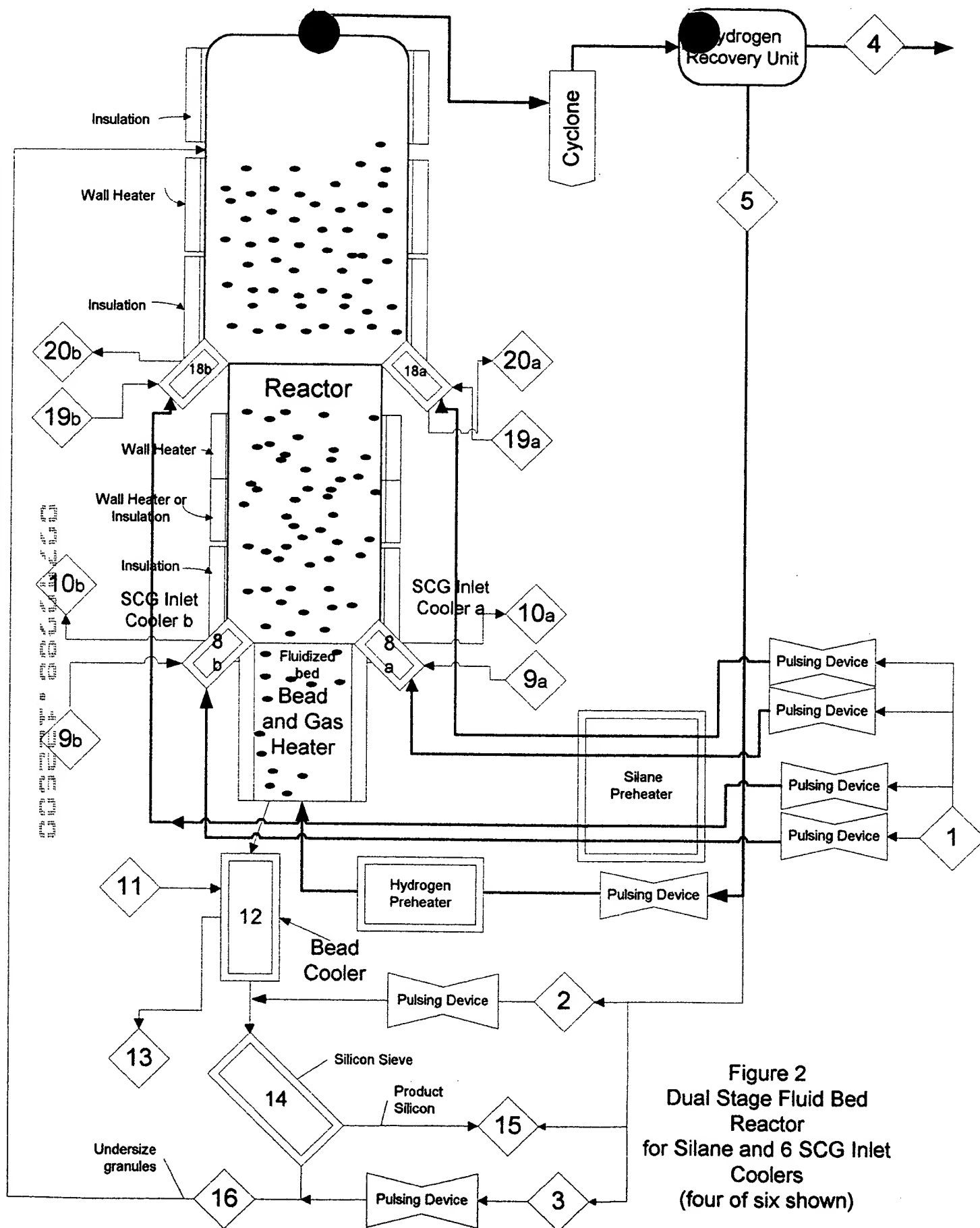


Figure 2
Dual Stage Fluid Bed
Reactor
for Silane and 6 SCG Inlet
Coolers
(four of six shown)

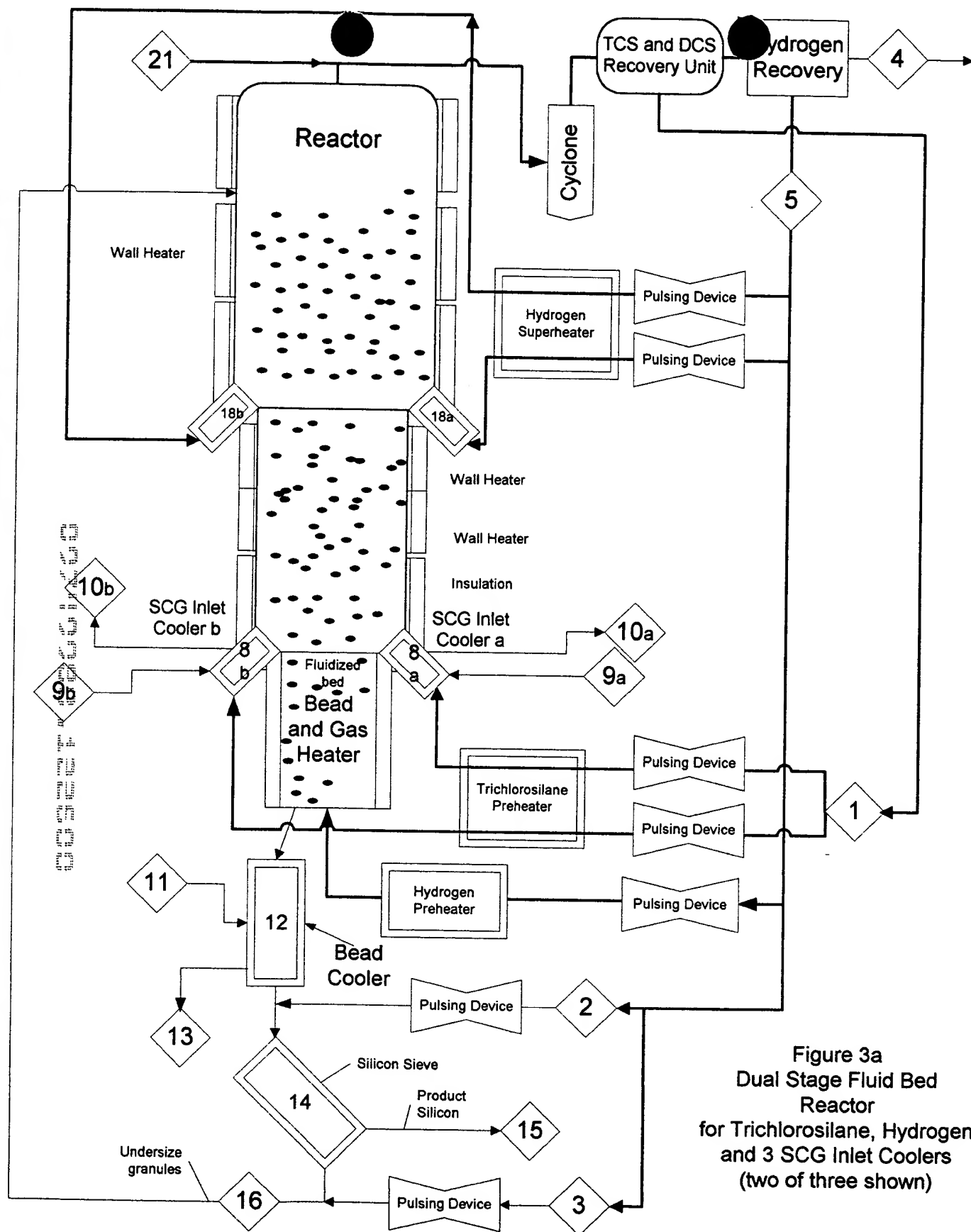


Figure 3a
Dual Stage Fluid Bed
Reactor
for Trichlorosilane, Hydrogen
and 3 SCG Inlet Coolers
(two of three shown)

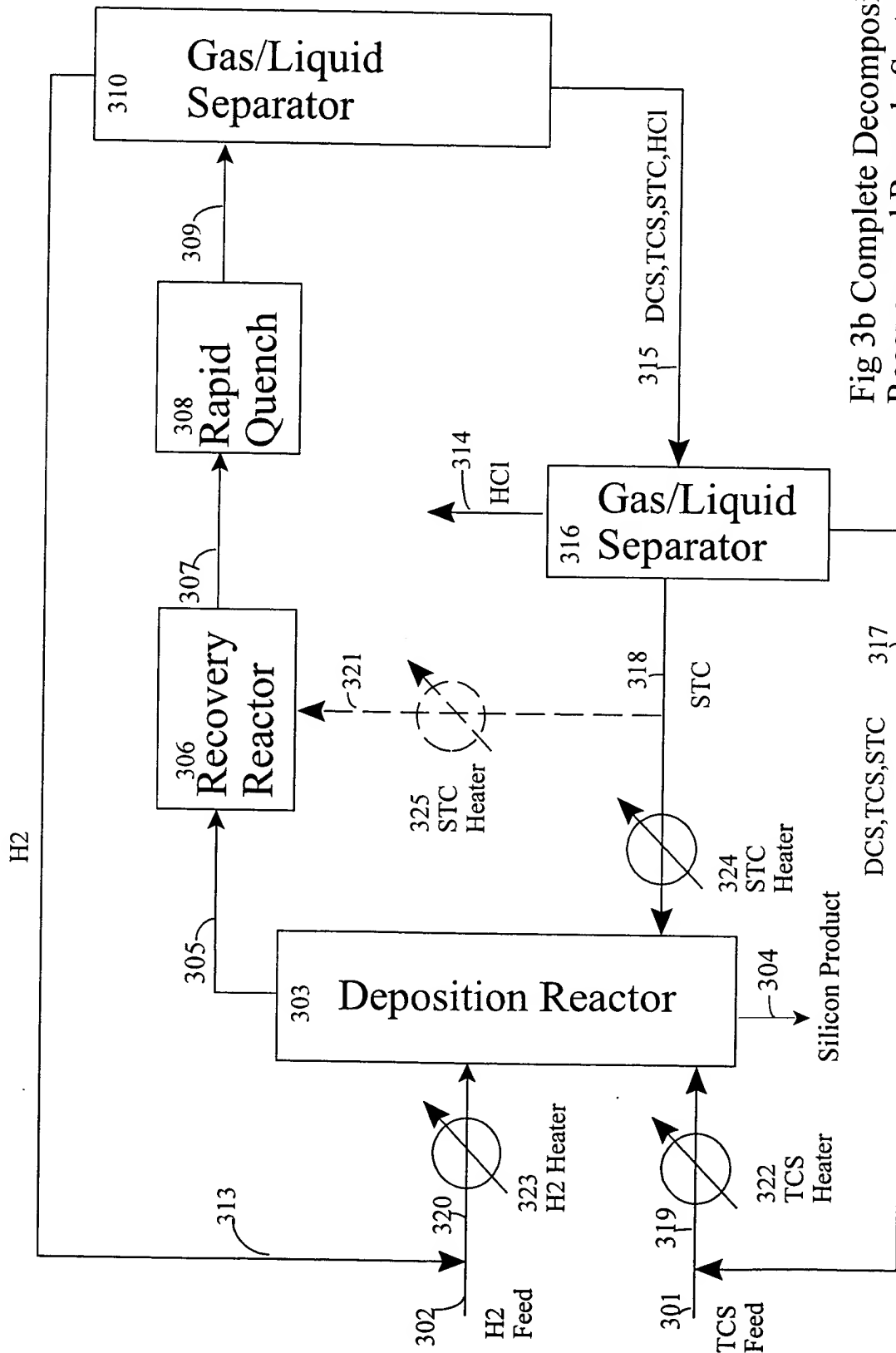


Fig 3b Complete Decomposition,
Recovery and Recycle System
Using Two Gas Liquid
Separators

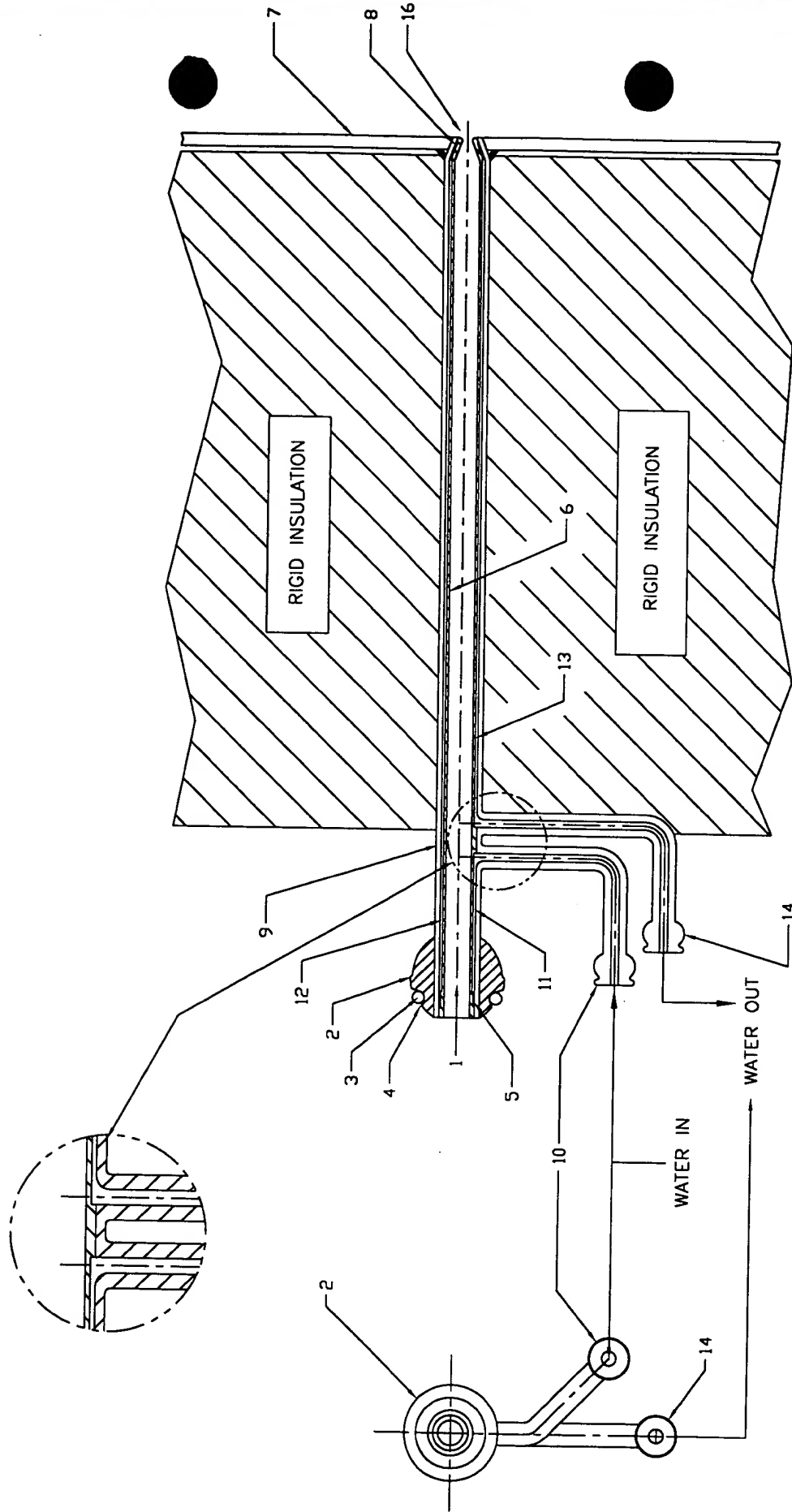
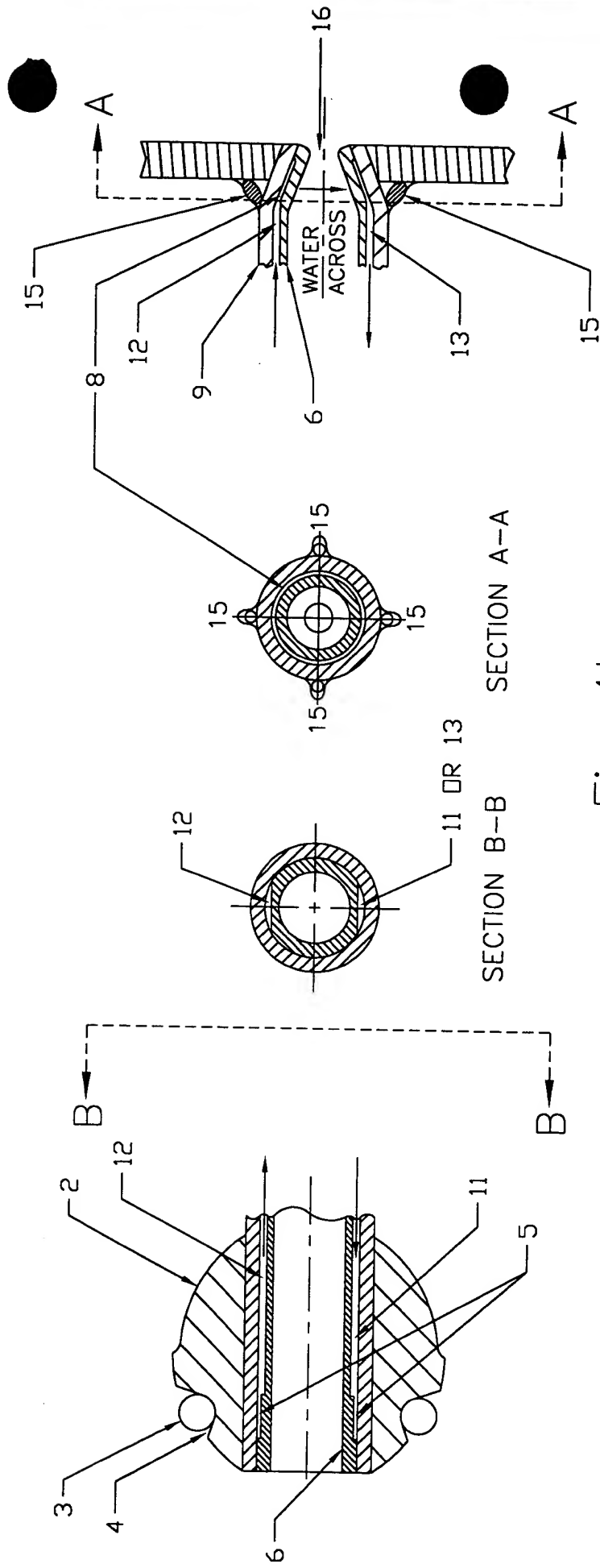


Fig 4a



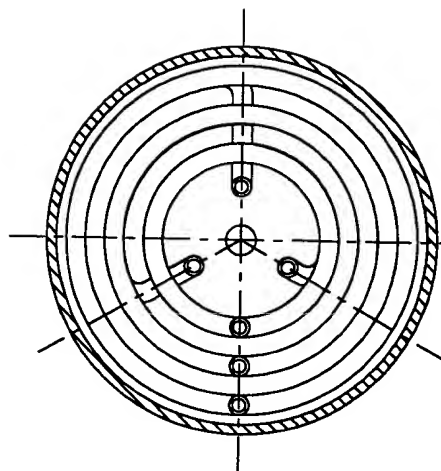
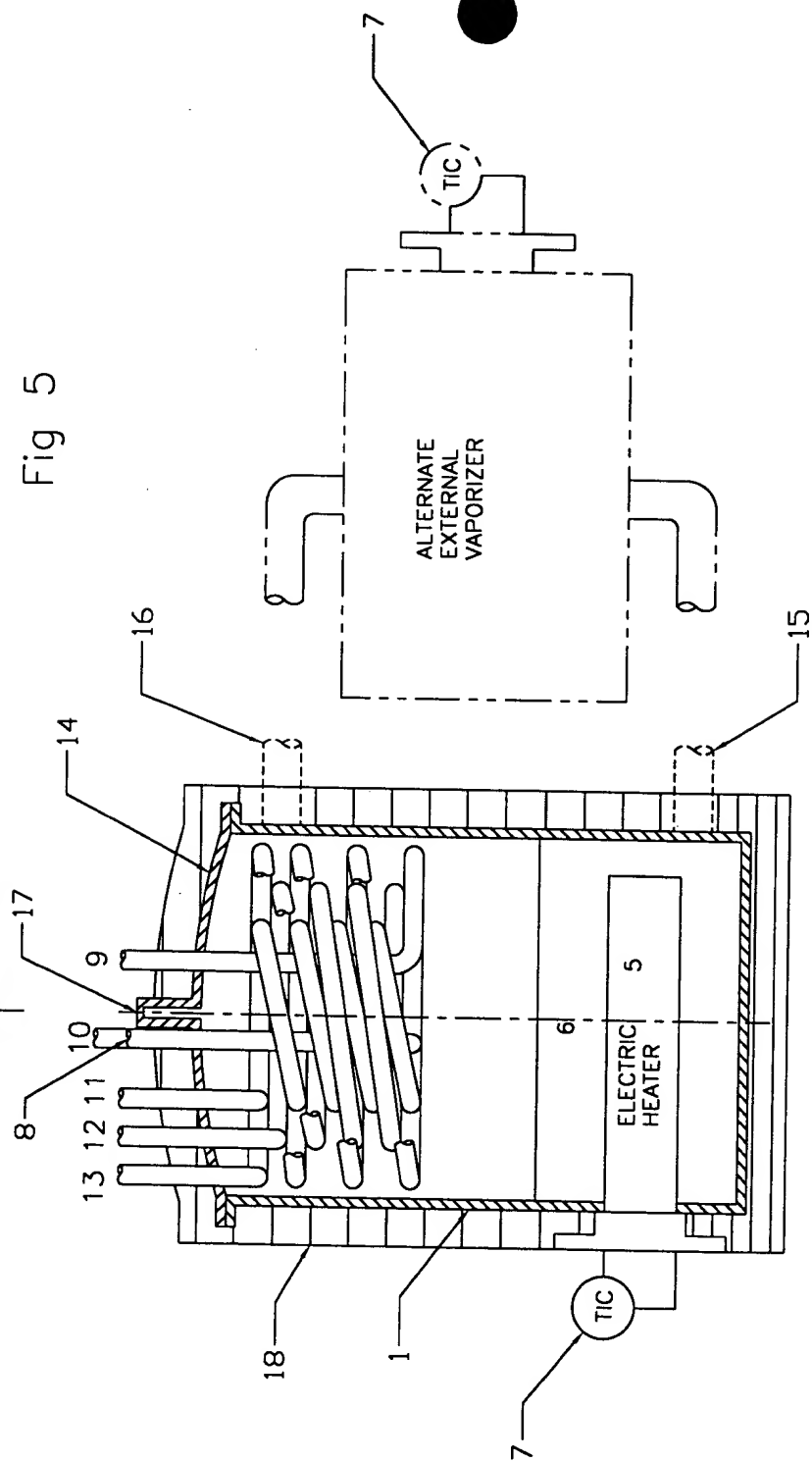


Fig 5



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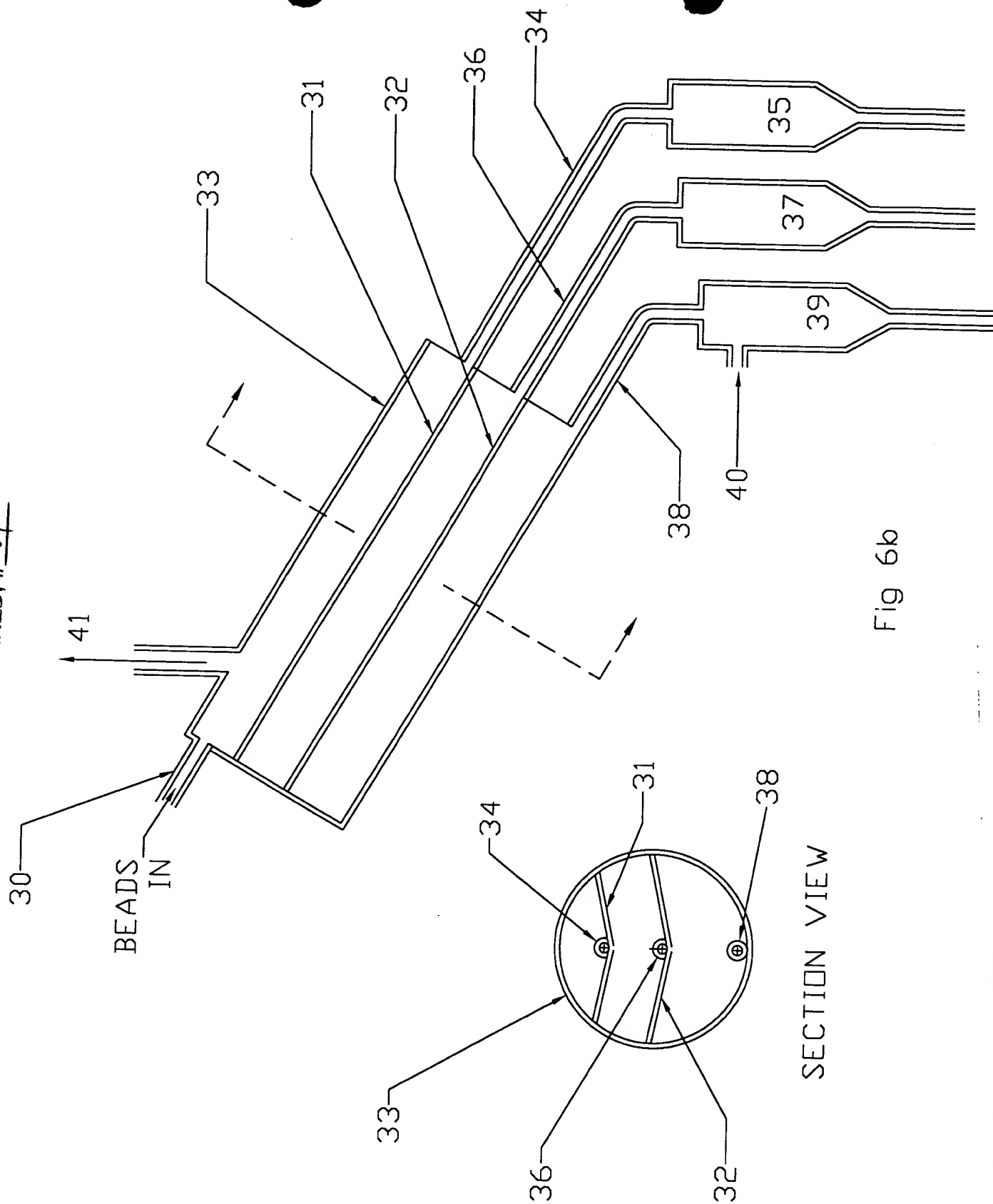


Fig 6b